

## **Professional Physics**

Liberal Arts and Sciences Degree Path - Catalog 2015-2016

| Fall 1              | Credits | Success Marker         |
|---------------------|---------|------------------------|
| MATH 229            | 4       | · Grade of c or better |
| CHEM 210            | 3       |                        |
| CHEM 212            | 1       |                        |
| ENGL 103            | 3       |                        |
| COMS 100            | 3       |                        |
| UNIV 101 (optional) | 1       |                        |
| Total hours         | 14-15   |                        |
| Notes/Comments:     |         |                        |

| Spring 1        | Credits | Success Marker         |
|-----------------|---------|------------------------|
| PHYS 253        | 4       | · Grade of c or better |
| MATH 230        | 4       |                        |
| CHEM 211        | 3       |                        |
| CHEM 213        | 1       |                        |
| ENGL 203        | 3       |                        |
|                 |         |                        |
| Total hours     | 15      |                        |
| Notes/Comments: |         |                        |

| Fall 2           | Credits | Success Marker |
|------------------|---------|----------------|
| PHYS 273         | 4       |                |
| MATH 232         | 4       |                |
| Knowledge Domain | 3       |                |
| Knowledge Domain | 3       |                |
|                  |         |                |
|                  |         |                |

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| Spring 2         | Credits | Success Marker         |
|------------------|---------|------------------------|
| PHYS 283         | 3       | · Grade of c or better |
| PHYS 284         | 1       |                        |
| MATH 336         | 3       | · Grade of c or better |
| Knowledge Domain | 3       |                        |
| Elective         | 3       |                        |
| Elective         | 3       |                        |
| Total hours      | 16      |                        |
| Notes/Comments:  |         |                        |

| Notes/Comments: |
|-----------------|
|-----------------|

Notes/Comments:

Total hours

| Notes/ | Com | men | ts: |
|--------|-----|-----|-----|

| Fall 3           | Credits | Success Marker         |
|------------------|---------|------------------------|
| PHYS 300         | 3       | · Grade of c or better |
| PHYS 320         | 3       |                        |
| PHYS 375         | 4       |                        |
| Knowledge Domain | 3       |                        |
| Elective         | 3       |                        |
| Total hours      | 16      |                        |
| Notes/Comments:  |         |                        |

| Spring 3                 | Credits | Success Marker         |
|--------------------------|---------|------------------------|
| PHYS 370                 | 3       | · Grade of c or better |
| PHYS 374                 | 3       |                        |
| PHYS 383                 | 3       |                        |
| Elective                 | 3       |                        |
| Elective (300/400 level) | 3       |                        |
| Total hours              | 15      |                        |
| Notes/Comments:          |         |                        |

| Fall 4                                   | Credits | Success Marker   |
|--|---------|--|
| PHYS 460                                 | 3       | <ul> <li>Apply for graduation (2/1 for May,<br/>6/15 for August, or 9/1 for December)</li> </ul> |
| PHYS 470 and/or PHYS 485 and/or Elective | 6       |  |
| PHYS 430                                 | 4       |  |
| Elective                                 | 3       |  |
|  |         |  |
| Total hours                              | 16      |  |

| Spring 4  | Credits | Success Marker |  |
|---|---------|----------------|--|
| PHYS 461 and/or Elective                                      | 3       |                |  |
| PHYS 400 and/or Elective                                      | 3       |                |  |
| PHYS 463 and/or Elective                                      | 3       |                |  |
| PHYS 475 or Elective  | 3       |                |  |
| PHYS 498 (1) and Elective (3) OR<br>PHYS 499H (3)             | 3-4     |                |  |
| Total hours   | 15-16   |                |  |
| Notes/Comments: Students must complete 120 hours to graduate. |         |                |  |

Notes/Comments: This plan is an example of what a four year plan could look like for a typical student. Placement exam scores in math as well as the completion of coursework may change the plan. It should not be used in the place of regular academic advising appointments. All students are encouraged to meet with their advisor each semester to discuss course scheduling. All requirements are subject to change by NIU. Professional Physics majors must take two of PHYS 400, PHYS 461, PHYS 463, PHYS 470, and PHYS 485. Courses should be selected in consultation with a faculty advisor from the Department on Physics. Transfer students, students who have taken PHYS 210 and PHYS 211 or the equivalent, and students who do not place into MATH 229, should consult a faculty advisors from the Department of Physics.