

## Doctor of Plant Health - Recommended Undergraduate Courses

Students who plan to enroll in the Doctor of Plant Health (DPH) Program should have many of the following courses or their equivalent as undergraduates. These courses are not required as prerequisites, but the more of them that have been taken, the better prepared the student is to begin the DPH Program. It is recognized that students from some institutions will have had little or no access to some of these courses. Lack of these courses may not affect the admission of the student into the DPH Program, but the student may need to remedy the most important deficiencies to provide a more balanced background from which to complete the DPH core. Some deficiency courses may be taken at the graduate level to receive credit toward the DPH degree.

| <b>Course Name</b>                       | <b>UNL Course Number (credits)</b> |
|--|------------------------------------|
| <b>Plant Biology</b>                     |                                    |
| Plant Science                            | AGRO/HORT 131 (3)                  |
| Botany                                   | AGRO/HORT 278, BIOS 317 (4)        |
| Weed Science                             | AGRO/HORT/NRES 426 (3)             |
| Plant Physiology                         | AGRO/HORT 325 (4)                  |
| Genetics                                 | AGRO/HORT/TLMT 215, BIOS 206 (4)   |
| Ecology & Evolution                      | BIOS 207, NRES 220 (3)             |
| <b>Plant Pathology</b>                   |                                    |
| Microbiology                             | BIOS 312 (3)                       |
| Plant Pathology                          | PLPT/BIOS 369+369L (4)             |
| <b>Soil Science</b>                      | AGRO/HORT/SOIL 153 (4)             |
| <b>Entomology / Invertebrate Zoology</b> | ENTO/BIOS 115+116L / BIOS 381 (4)  |
| <b>General Math / Science</b>            |                                    |
| Physics                                  | PHYS 141 (5)                       |
| General Chemistry                        | CHEM 109, 110 (4 ea)               |
| Organic Chemistry & Lab                  | CHEM 255+257L, 251+253L (4)        |
| Biochemistry                             | BIOC 401+401L (4)                  |
| Analytic Geometry & Calculus             | MATH 106 (5)                       |
| Introduction to Statistics               | STAT 218 (3)                       |
| Agricultural Economics                   | AECN 141 (3)                       |