

Core set of requirements of UNL Plant Breeding and Genetics PhD program

All graduate students to receive a PhD in plant breeding and genetics would be expected to earn credit in the following areas by taking any of the courses listed. Recommended courses are **bolded**.

1. Plant Breeding (3 credits)
 - a. **AGRO/ENTO 815, AGRO 816, AGRO/STAT 932**
2. Genetics and Genomics (6 credits)
 - a. **AGRO 919, AGRO 931**, BIOS 818, AGRO 919, AGRO 812, AGRO 810, BIOS 820, BIOS 832, ENTO 827, BIOS 803, BIOS 877, BIOS 871, BIOS 934
3. Statistics (6 credits)
 - a. **STAT 801, STAT 802**, STAT 870, STAT 873, STAT 970, STAT 831, STAT 902
4. Biotech and Molecular Plant Breeding (2 credits)
 - a. **BIOS 825, AGRO 811**
5. Plant Molecular Biology, Physiology, and Biochemistry (6 credits)
 - a. **AGRO 810, AGRO 834**, BIOS 878, AGRO 807, AGRO 818
6. Special topics (6 credits)
 - a. Bioinformatics, entomology, plant pathology, abiotic stress, etc.
 - b. PLPT 867, ENTO 825, AGRO 896 (Biofortification), AGRO 807, NRES 806, ANTH 829A, STAT 841, STAT 843, STAT 842, BIOS 827, BIOS 828, BIOS 877, AGRO 895