INTERDISCIPLINARY
BIOLOGICAL SCIENCES
PROGRAM PHD

Degree Requirements
The following requirements are in addition to, or further elaborate upon, those requirements outlined in The Graduate School Policy Guide (https://catalogs.northwestern.edu/tgs/academic-policies-procedures/).

Total Units Required: 11

Required Courses
• IBIS 411-0 Fundamentals in Biological Sciences: Biochem, Molecular Biology, and Genetics
• IBIS 412-0 Fundamentals in Biological Sciences: Genomics, Cell Bio, and Developmental Bio
• IBIS 432-0 Statistics for Life Sciences
• Electives or additional core courses: 5

Non-credit Required Courses
• IBIS 421-0 Rigor & Reproducibility in Research
• IBIS 423-0 Ethics in Biological Research

Other PhD Degree Requirements
• Examinations: qualifying examination: part 1 during second year of study, part 2 during third year
• Research/Projects: laboratory research based on dissertation proposal
• PhD Dissertation: written dissertation; annual presentation of research-in-progress to thesis committee
• Final Evaluations: defense consisting of written dissertation, oral defense of dissertation to thesis committee, and public presentation of research accomplishments
• Publication: acceptance of at least one first-author data paper before defense
• Teaching: two quarters as a teaching assistant
• Other: three graded, 1-credit, laboratory rotations in first year, intended to assist student in selecting thesis advisor; regular participation in seminars, journal clubs, and annual scientific retreat