

# PLANT BIOLOGY AND CONSERVATION MS

## 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/>).

### Master's

#### Overview of MS Tracks in Plant Biology and Conservation

##### Thesis MS

**Total Units Required: 11**

Course	Title
<b>Core Courses (4 units)</b>	
PBC 450-0	Field and Laboratory Methods in Plant Biology and Conservation (2 units)
PBC 451-0	Critical Topics in Ecology and Conservation (1 unit)
A Data Science or Statistics course (1 unit). Options include but are not limited to: - PBC 435 Biostatistics, or see PBC Handbook for further options	
<b>Electives (5 units)</b>	
Five elective courses for graduate credit at the 300- or 400- level chosen from PBC and other departmental courses	
<i>Ecology</i>	
PBC 402-0	Plant Population and Community Ecology (1 unit)
PBC 418-0	Soils and the Environment: The Earth's Critical Zone (1 unit)
<i>Evolution/Genetics</i>	
PBC 401-0	Plant Evolution & Diversity Lab (1 unit)
PBC 430-0	Conservation Genetics (1 unit)
BIOL_SCI 341-0	Population Genetics (1 unit)
BIOL_SCI 378-0	Functional Genomics (1 unit)
<b>PBC 499-0 Independent Study (2 Units)</b>	
<b>Capstone</b>	
Research/Thesis	

#### Land Management non-thesis MS

**Total Units Required: 9**

Course	Title
<b>Core Courses</b>	
PBC 450-0	Field and Laboratory Methods in Plant Biology and Conservation (2 units)
PBC 451-0	Critical Topics in Ecology and Conservation (1 unit)
A Data Science or Statistics course (1 unit). Options include but are not limited to: -PBC 435 Biostatistics, or see PBC Handbook for further options	
Total core: 4 units	
<b>Electives</b>	
Five elective courses for graduate credit at the 300- or 400- level chosen from PBC and other departmental courses	
Total electives: 5 units	
PBC 499-0	Independent Study
<b>Capstone</b>	
Internship/Project	
<b>Duration</b>	
1 year	