

Plant Science Majors

Likely course progression

Freshmen: Usually:

Intro Bio (BIOG 101+103) (BIOG 109 possible for students headed back to farming or practical horticulture)

Intro Chem 207 if had high school chemistry; otherwise CHEM 206

FWS

Either Hort 101 or CSS 190 but other alternatives are possible e.g., Psych 101; EAS 101 (geology); EAS 131 (meteorology); DSOC 101 (sociology) etc
PE (non credit)

Second semester: as above but Chem 208 (physical) or Chem 257 (organic; some advisors prefer 257 to 208) plus different alternative course.

Spring semester courses open to freshmen

Hort 102, Hand on Horticulture 2Hr; Hort 203 Art of horticulture II 2 Hr;

Hort 104 Wines and vines 3Hr; Hort 235 Plants and human well-being 3Hr

Pl Pa 201 Mushrooms And Molds 2.0 Hr; Eas 102 Evolution Of The Earth & Life 3.0 Hr

Ntres 201 Environmental Conservation 3.0 Hr; Ntres 220 People, Values, & Ntres 3.0 Hr

Entom 201 Alien Empire: Bizarre Bio Bug 2.0 Hr; La 140 Ny State's Cultural Landscape 3.0 Hr

Fd Sc 150 Food Choices & Issues 2.0 Hr; Fd Sc 151 Current Issues & Controversies 1.0 Hr

Year 2

BIOPL241 (fall)

BIOPL242 & 244 (Spring)

CALS distribution courses

Genetics or Plant Science courses of choice.

Examples of possible courses:

For students headed for research or technical positions in industry

Genetics: BIOGD 281

Note: it is possible to take the more detailed genetics lectures only (BIOGD 280) and avoid the fly labs, and then add PLBR225 to get the plant information.

Statistics: BTRY 301

ENTOM 212

PLPATH 301

BIOPL 343 & 347 (molecular biology)

Ecology 261

BIOPL248 Taxonomy of vascular plants

Soils CSS 260

Note: students who want biochemistry should take at least one semester of organic chemistry (CHEM 257; Lab CHEM 251 optional); (CHEM 357-8 is recommended only for those likely to have an aptitude for chemistry)

For students headed to practical horticulture of agriculture:

Genetics: PIBR: 225

Statistics: AEM 210

Ento 241

PLPATH 301

Environmental conservation NTRES 201, or

Sustainable agriculture (CSS190 plus Hort

220) or Conservation biology (BioEE 267)

BIOPL/Hort 243, Taxonomy of cultivated plants.

Additional Applied courses.

Note: Plant ecology is not currently offered