

Program Worksheet: Honours Plant Biology

First Year	BIOL 112 ____ BIOL 140 ____ BIOL 121 ____ CHEM 111/121 ____ CHEM 113/123 ____	<i>One of:</i> PHYS 101, 107, 117 ____ <i>One of:</i> CPSC 100, 103, 110 ____	<i>One of:</i> MATH 100, 102, 104, 120, 180, or 184 ____ <i>One of:</i> MATH 101, 103, 105, or 121 ____	Communication Requirement 6cr of WRDS 150; SCIE 113; any of ENGL 100, 110, 111, 112, 120, or 121; SCIE 300 or CHEM 300; APSC 176; LFS 150; Arts One; ASTU 100, 101: _____ and _____ Electives [3cr]: _____	31cr
Second Year	*Biology Fundamentals Courses: BIOL 200 ____ BIOL 230 ____ BIOL 260 ____ BIOL 233 ____ Or BIOL 234 ____	*Organismal Courses: BIOL 209 ____ BIOL 210 ____	CHEM 233 ____ CHEM 235 ____ or CHEM 203 ____	_____ Electives [3cr]: _____	30cr
Third Year	BIOL 300 ____ BIOL 347 ____ BIOL 351 ____ BIOL 352 ____	BIOL 324 ____ BIOL 336 ____ BIOL 415 ____	****Plant Biology Selections [12cr]: _____ _____ _____ _____	Electives [7cr]: _____ _____ _____	71cr
Fourth Year	BIOL 447 ____ BIOL 449 ____	***Life Science Selections [9cr]: _____ _____ _____	Arts Electives [12cr]: _____ _____ _____ _____		
Minimum Total Credits = 132cr					

* One **Organismal** and/or one **Fundamentals** course can be deferred to third year.

*****Life Science Selection:**

Life Science selections that count towards the Science credit requirement: Any third- or fourth-year course in BIOC, BIOL, CAPS, MICB, MRNE, or PHYL that is open to Life Science majors plus: EOSC 470, 471, 474, 475, 478, GEOB 307, 407, FNH 350, 351, 451, MATH 462, MEDG 410, 419, 420, 421, PCTH 305, 325. Life Science selections that do not count towards the Science credit requirement: APBI 311, 312, 314, 315, 318, 342, 401, 411, 418, 419, 444, CONS 330, 440, 486, FRST 302, 310, 385, 386, 395, 399, 444, 485, 495.

******Plant Biology Selections:**

BIOL 320 - Survey of Algae

BIOL 321 – Morphology and Evolution of Bryophytes

BIOL 322 – Structure and Evolution of Ferns and Fern-allies

BIOL 323 – Structure and Reproduction of Fungi

BIOL 406 - Plant Ecology I

BIOL 412 - Phytogeography

BIOL 416 – Principles of Conservation Biology

BIOL 418 – Evolutionary Biology

BIOL 421 - Plant-Microbe Interactions

BIOL 423 – Plant Stress Ecophysiology

BIOL 433 - Plant Genetics

BIOL 462 - Ecological Plant Biochemistry

Note: MRNE courses may be taken with permission of a Biology advisor.

Faculty of Science Elective Requirements:

(May be any level as long as the upper level requirement of 48 upper level credits including at least 30 credits from the Faculty of Science is satisfied. Also, up to 18 credits of course work in a faculty other than Science or Arts may be taken for credit.)

- **Arts Electives - 12 credits** from the Faculty of Arts.
- **Electives** – May be from any faculty.