Plant (B.S.) Sample Curriculum

We have provided this as an example but you will work with your advisor to customize a plan

Freshman

Fall	BIOL 198 (4) Principles of Biology	CHM 210 (4) Chemisry 1	BIOL 100 (1) Biology First-Year Orientation	Social Science or Humanity (3)	Free Elective (1)	13 Credits
Spring	BIOL 401 (5) Organismic Biology	CHM 230 (4) Chemistry 2	Social Science or Humanity (3)	COMM 106 (3) Public Speaking		15 Credits

Sophomore

Fall	BIOL 450 (4) Modern Genetics	BIOL 551 (4) Taxonomy of Flowering Plants	Social Science or Humanity (3)	ENGL 100 (3) Expository Writing 1	Free Elective (2)	16 Credits
Spring	CHM 350 (3) General Organic Chemistry	CHM 351 (2) General Organic Chemistry Lab	MATH 220 (4) Calculus 1 *Students often take during the summer*	ENGL 200 (3) Expository Writing 2	Social Science or Humanity (3)	15 Credits

Junior

Fall	BIOL 500 (3) Plant Physiology	BIOL 501 (1) Plant Physiology lab	PHYS 113 (4) General Physics 1	STAT 325 (3) Introduction to Statistics	U.S. Multicultural Overlay (3)	14 Credits
Spring	PHYS 114 (4) General Physics 2	BIOCH 521 (3) General Biochemistry	Free Elective (3)	Social Science or Humanity/ International (3)	Free Elective (3)	16 Credits

Senior

Fall	BIOL 675 (3) Genetics of Microorganisms	BIOL 676 (3) Molecular Genetics Lab *	BIOL elective (3)	Upper Level Social Science (3)	Free Elective (3)	*Apply to graduate programs (if applicable)*	15 Credits
Spring	BIOL 520 (3) Evolution	BIOL elective with lab (4)	Social Science or Humanity (3)	Social Science or Humanity (3)	Free Elective (3)		16 Credits

Notes

All Bachelors Degrees require 120 credits, of which 45 must be upper division courses. Only 60 credits from community colleges may count toward degree.

At least 11 credit hours of upper level biology electives including two with a lab are REQUIRED.

Recommended electives include:
BIOL 455 (4) Microbiology
BIOL 501 (1) Plant Physiology Lab (Fall)
BIOL 529 (3) Ecology
BIOL 604 (3) Biology of Fungi (Fall)
BIOL 640 (3) Population Biology (Fall)
BIOL 675 (3) Genetics of Microorganisms (Fall) *prereq for 676
BIOL 687 (3) Microbial Ecology (Spring)
BIOL 698 (1-3) Research in Biology (strongly encouraged)
AGRON 610 (3) Biotechnology (Fall)
ENTOM 312 (3) General Entomology
PLPTH 500 (3) Principles of Plant Pathology (Spring)

NOTE: Check official degree reqs for full list of electives.

The following need to be considered in the gen. reqs.:

- Social Sci. courses need to be from 3 different areas.
- One Social Science course must be at 500 level or above, or carry a prerequisite in the same department.
- Philosophy course cannot be a logic class.

Note on Organic Chemistry:
Consult with your advisor on which organic chemistry option you should choose (CHM 531 versus CHM 350)

Key

Biology elective (see course catalog list)

Course offered only in Fall Semester

Course offered only in Spring Semester

Total Hours: 120