

CROP SCIENCE & MANAGEMENT

2023/2024 Four-Year Plan

This document is for planning purposes only. For official degree information, refer to Degree Audit and speak with your advisor.

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| YEAR 1 • FALL | PLSC 102 (F) The Science of Plants in Agriculture | 3 | YEAR 1 • SPRING | BIOL 115/115L Cells & Evolution of Life (CHEM 101 or 111) | 4 |
| | ELECTIVE General Education | 3 | | ELECTIVE General Education | 3 |
| | CHEM 101/101L or 111/111L Principles of Chemistry I <i>(Test Scores/CHEM 101/MATH 143)</i> | 4 | | ENGL 102 College Writing & Rhetoric <i>(Test Scores/ENGL 101)</i> | 3 |
| | ENGL 101 Introduction to College Writing <i>(Test Scores, ENGL 109)</i> | 3 | | PLSC 205 (S, Even Years*) General Botany (BIOL 114 or 115) | 4 |
| | MATH 143, 160 or 170 Math Core <i>(Test Scores/MATH 108)</i> | 3 | | | |
| TOTAL CREDITS | 16 | | TOTAL CREDITS | 14 | |
| YEAR 2 • FALL | CHEM 275/276 Carbon Compounds (CHEM 101 or 111) | 4 | YEAR 2 • SPRING | EPPN 154/155 (S) Microbiology and the World Around Us | 4 |
| | SOIL 205/206 The Soil Ecosystem (CHEM 111) | 4 | | GENE 314 (S) General Genetics (BIOL 115 or 154) | 3 |
| | PLSC 338 (F) Weed Control | 4 | | ELECTIVE General Education | 3 |
| | PLSC 207 (F, even years) Introduction to Biotechnology | 3 | | ELECTIVE Professional Support | 3 |
| | | | | ELECTIVE Crop Science | 3 |
| TOTAL CREDITS | 15 | | TOTAL CREDITS | 16 | |
| YEAR 3 • FALL | ELECTIVE Communication | 2-3 | YEAR 3 • SPRING | AGED 406 (S) or 407 Exploring International Agriculture or Global Agricultural & Life Sciences Systems <i>(Junior/Senior, AGED 180, ASM 112 or Soil 205)</i> | 3 |
| | STAT 251 Statistical Methods (MATH 108, 143, 160 or 170) | 3 | | PLSC 401 (S, Even Years*) Plant Physiology (PLSC 205) | 3 |
| | ENT 322 (F) General & Applied Entomology | 4 | | PLSC 446 (S, Even Years*) Plant Breeding (GENE 314) | 3 |
| | PLP 415 (F) Plant Pathology (EPPN 154 or BIOL 250; PLSC 102) | 3 | | ELECTIVE Crop Science | 3 |
| | ELECTIVE General Education | 3 | | ELECTIVE General Education | 3 |
| TOTAL CREDITS | 16 | | TOTAL CREDITS | 15 | |
| YEAR 4 • FALL | PLSC 400 Seminar | 1 | YEAR 4 • SPRING | PLSC 407 (S) Field Crop Production | 3 |
| | PLSC 398, 402 or 499 Internship, Research or Directed Study (variable credits) <i>(Permission)</i> | 3 | | PLSC 438 (S) Pesticides in the Environment | 3 |
| | PLSC 480 (F) Field Trip <i>(Permission)</i> | 1 | | SOIL 446 Soil Fertility | 3 |
| | ELECTIVE Crop Science (2 classes) | 6 | | ELECTIVE General Education | 3 |
| | ELECTIVE Professional Support | 3 | | ELECTIVE Crop Science | 3 |
| TOTAL CREDITS | 14 | | TOTAL CREDITS | 15 | |

COURSE # Course Name (Prerequisites, Co-Requisites) *Switch in Odd Years

F = FALL, S = SPRING



CROPSCIENCEMANAGEMENT

Explore soils, weeds, plant breeding and insects in addition to advanced growing techniques like biotechnology and global positioning systems (GPS). Prepare to make business decisions related to local, national and global issues surrounding food and energy production.

Career Options

- Farm Manager
- Crop Consultant
- Sales Manager
- Agronomist
- Soil and Plant Scientist
- Precision Agriculture Technician
- Agriculture Inspector
- Research Scientist



Fast Facts

- Gain experience at on-campus plant science farms and computer-controlled greenhouses.
- Learn to manage crops using advanced GPS techniques.
- Complete an independent study.
- Get involved with the Plant and Soil Science Club or Soil Stewards to network with potential employers.
- Conduct an undergraduate research project.