BIOTECHNOLOGY & PLANT GENOMICS

ELECTIVE Communication

PLSC 102 (F) The Science of Plants in Agriculture

2023/2024 Four-Year Plan

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

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MATH 143, 160 or 170 Math Core (Test Scores/MATH 108) ENGL 101 Introduction to College Writing (Test Scores, ENGL 109) œ CHEM 111/111L Principles of Chemistry I Π (Test Scores/CHEM 101/MATH 143) **TOTAL CREDITS** CHEM 112/112L Principles of Chemistry II (CHEM 111) FALI **ELECTIVE** General Education BIOL 250/255 (F) Microbiology (CHEM 111) 9 PLSC 207 (F, Even Years) Introduction to Biotechnology A R Π **TOTAL CREDITS** SOIL 205 The Soil Ecosystem (CHEM 111) FALI BIOL 380 (F) Biochemistry I (CHEM 112, 277) ENGL 313 or 317 Business Writing (ENGL 102; Sophomore) or Technical Writinig (ENGL 102; Junior) M **ELECTIVE** Biotechnology Ŷ Π **TOTAL CREDITS** PLSC 400 Seminar PLSC 398, 402 or 499 Internship, Research or Directed Study (variable credits) (Permission) FAL PLSC 488 (F) Genetic Engineering (GENE 314) **ELECTIVE** Biotechnology **ELECTIVE** General Education PLP 415 (F) Plant Pathology (EPPN 154, BIOL 250, PLSC 102)

6 **ELECTIVE** General Education **SPRING** 3 STAT 251 Statistical Methods (Math 108, 143, 160 or 170) ENGL 102 College Writing & Rhetoric (Test Scores/ENGL 101) 3 BIOL 115/115L Cells & Evolution of Life (CHEM 101 or 111) 4 • EAR **TOTAL CREDITS** 16 5 **ELECTIVE** General Education 3 SPRIN 4 CHEM 277/278 Organic Chemistry (CHEM 112) 3 GENE 314 (S) General Genetics (BIOL 115 or 154) . N 3 **ELECTIVE** Biotechnology EAR **ELECTIVE** Biotechnology 4 **TOTAL CREDITS** 17 BIOL 444 (S, Even Years) Genomics (BIOL 250) ശ 3 **PRIN** PLSC 433 (S, Odd Years) Plant Tissue Culture Techniques 3 3 PLSC 486 (S, Odd Years) Plant Biochemistry (BIOL 380) ົດ M 3 **ELECTIVE** Biotechnology Ľ **ELECTIVE** General Education 3 **TOTAL CREDITS** 15 3 PLSC 446 (S, Even Years) Plant Breeding (GENE 314) 5 PLSC 401 (S, Even Years) Plant Physiology (PLSC 205) 3 SPRIN 4 PLSC 440 (S) Advanced Laboratory Techniques (BIOL 250) 3 AGED 406 or 407 Exploring International Agriculture • unior or Senior; SOIL 205) or Global Agricultural & Life Sciences 4 Systems EAR 3 **ELECTIVE** Biotechnology **TOTAL CREDITS** 16

COURSE # Course Name (Prerequisites, Co-Requisites)

TOTAL CREDITS





Call **208-885-7984** Email **cals-advising@uidaho.edu** /isit **uidaho.edu/cals**

F = FALL, S = SPRING



BIOTECHNOLOGYPLANT GENOMICS

Study and improve plant growth and development through molecular and biochemical techniques. Explore food production, fuel, fiber and landscapes to investigate how plants defend themselves or produce critical secondary metabolites.

Career Options

- Soil and Plant Scientist
- Molecular and Cellular Biologist
- Geneticist
- Research Scientist
- Plant Breeder
- Agronomist
- Natural Sciences Manager
- Sales Representative

Fast Facts

- Access to plant science farms and computer-controlled greenhouses.
- · Learn advanced laboratory skills involving physiology, genetics and immunology.
- Intern with companies that regenerate potatoes or landscape plants from cells or tissues.
- Complete an independent study.
- Get involved with the Plant and Soil Science Club or Soil Stewards.
- Conduct an undergraduate research project.







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