

Name: _____ PUID: _____ Date: _____

Required Major Courses (21 credits)

- _____ (4) BTNY 11000 Introduction to Plant Science
- _____ (3) BTNY 20700 The Microbial World
- _____ (3) BTNY 30200 Plant Ecology
- _____ (3) BTNY 30500 Fundamentals of Plant Classification
- _____ (4) BTNY 31600 Plant Anatomy
- _____ (1) BTNY 49700 Research seminar
- _____ (3) BTNY 49800 Research in Plant Science

Other Departmental/ Program Course Requirements (78.5 credits) (See Advising Resources)

- _____ (0.5) AGR 10100 Introduction to the College of Agriculture and Purdue University
- _____ (1) AGR 12500 Introduction to Botany and Plant Pathology
- _____ (3) AGRY 32000 Genetics
- _____ (1) AGRY 32100 Genetics Laboratory
- _____ (3) BCHM 30700 Biochemistry
- _____ (3) CHM 11100 General Chemistry (*satisfies Science #1 for core*)
- _____ (3) CHM 11200 General Chemistry (*satisfies Science #2 for core*)
- _____ (4) CHM 25700 Organic Chemistry
- _____ (1) CHM 25701 Organic Chemistry Laboratory
- _____ (4) HORT 30100 Plant Physiology
- _____ (3) MA 16010 Applied Calculus I (*satisfies Quantitative Reasoning for core*)
- _____ (3) PHYS 21400 The Nature of Physics
- _____ (3) STAT 30100 Elementary Statistical Methods (*satisfies Information Literacy for core*)
- _____ (18) Focus Selective⁶
- _____ (3) Economics Selective (*satisfies Human Culture Behavioral/Social Science for core*)³
- _____ (3) UCC Humanities Selective (*satisfies Human Cultures Humanities for core*)¹
- _____ (3) UCC STS Selective (*satisfies Science, Technology & Society Selective for core*)⁵
- _____ (3) Humanities or Social Science Selective²
- _____ (3) Humanities or Social Science Selective²
- _____ (3) Humanities or Social Science Selective (30000+ level)²
- _____ (4) ENGL 10600 First-Year Composition (*satisfies Written Communication for core*) (*satisfies Information Literacy Selective for core*)
- _____ (3) COM 11400 Fundamentals of Speech Communication or COM 21700 Science Writing and Presentation (*satisfies Oral Communication for core*)
- _____ (3) Written or Oral Communications Selective⁴

Electives (20.5 credits)

- _____ (20.5) Elective

University Core Requirements (<http://www.purdue.edu/provost/initiatives/curriculum/course.html>)

- | | | | |
|--|--------------------------------|---|--------------------------------|
| Human Cultures Humanities | <input type="checkbox"/> _____ | Science, Technology & Society Selective | <input type="checkbox"/> _____ |
| Human Cultures Behavioral/Social Science | <input type="checkbox"/> _____ | Written Communication | <input type="checkbox"/> _____ |
| Information Literacy | <input type="checkbox"/> _____ | Oral Communication | <input type="checkbox"/> _____ |
| Science Selective | <input type="checkbox"/> _____ | Quantitative Reasoning | <input type="checkbox"/> _____ |
| Science Selective | <input type="checkbox"/> _____ | | |

College of Agriculture & University Level Requirements (https://ag.purdue.edu/oap/Pages/core_requirements.aspx)

- | | | | |
|---|--------------------------------|--------------------------------|--------------------------------|
| 3 credits Multicultural Awareness | <input type="checkbox"/> _____ | | |
| 9 credits International Understanding | <input type="checkbox"/> _____ | <input type="checkbox"/> _____ | <input type="checkbox"/> _____ |
| 9 credits of Hum. And/or Social Sciences outside the College of Agriculture | <input type="checkbox"/> _____ | <input type="checkbox"/> _____ | <input type="checkbox"/> _____ |
| 3 credits of Hum. And/or Social Science at 30000 or higher | <input type="checkbox"/> _____ | | |

Plant Science

Suggested Arrangement of Courses:

Credits	Fall 1st Year	Prerequisite	Credits	Spring 1st Year	Prerequisite
0.5	AGR 10100 Introduction to the College of Agriculture and Purdue University		3	BTNY 20700 The Microbial World	BTNY 11000
0.5	AGR 12500 Introduction to Botany and Plant Pathology		3	CHM 11200 General Chemistry	CHM 11100
4	BTNY 11000 Introduction to Plant Science		4	ENGL 10600 First-Year Composition	
3	CHM 11100 General Chemistry		3	Economics Selective	
3	COM 11400 Fundamentals of Speech or COM 21700 Scientific Communication		4	Elective	
3	MA 16010 Applied Calculus I	ALEKS 75+			
14			17		

Credits	Fall 2nd Year	Prerequisite	Credits	Spring 2nd Year	Prerequisite
3	BTNY 30500 ^{cc} Fundamentals of Plant Classification	BTNY 11000	3	BCHM 30700 Biochemistry	CHM 25700
4	CHM 25700 Organic Chemistry	CHM 11200	3	BTNY 30200 Plant Ecology	BTNY 11000
1	CHM 25701 Organic Chemistry Lab		3	PHYS 21400 The Nature of Physics	
3	Focus Selective		3	UCC Science, Technology, & Society Selective	
3	UCC Humanities selective		3	Focus Selective	
14			15		

Credits	Fall 3rd Year	Prerequisite	Credits	Spring 3rd Year	Prerequisite
4	BTNY 31600 Plant Anatomy	BTNY 11000	3	AGRY 32000 Genetics	BTNY 11000, HORT 30100
4	HORT 30100 Plant Physiology	CHM 25700	1	AGRY 32100 Genetics Lab	AGRY 32000
3	Focus Selective		3	STAT 30100 Elementary Statistical Methods	
3	Written or Oral Communication Selective		3	Focus Selective	
2	Elective		3	Humanities or Social Science Selective	
			3	Elective	
16			16		

Credits	Fall 4th Year	Prerequisite	Credits	Spring 4th Year	Prerequisite
3	BTNY 49800 Research in Plant Science		1	BTNY 49700 Research Seminar	BTNY 49800
3	Focus Selective		3	Focus Selective	
3	Humanities or Social Science Selective (30000+ level)		3	Humanities or Social Science Selective	
6	Electives		6	Electives	
15			13		

- 1) 120 credits listed above are required for Bachelor of Science degree.
- 2) 2.0 Graduation GPA required for Bachelor of Science degree.
- 3) 32 credits of upper division courses (30000 level or higher) must be taken at Purdue University, West Lafayette.
- 4) ANY COURSE TAKEN AT PURDUE CAN BE ATTEMPTED NO MORE THAN THREE TIMES (INCLUSIVE OF W, WF, I AND IF).
- 5) CC = is considered a critical course

See next page for all supplemental information

The student is ultimately responsible for knowing and completing all degree requirements.
myPurdue Plan is knowledge source for specific requirements and completion

PLSC Supplemental Information

All prerequisites must be met

¹University Core Curriculum Humanities Selective (3 credits)

See approved Humanities list at: <http://www.purdue.edu/provost/initiatives/curriculum/course.html>

²Humanities and Social Science Selective (9 credits)

See approved list at: https://ag.purdue.edu/oap/pages/core-social_humanities.aspx

³Economics Selective (3 credits)

AGEC 20300 Introductory Microeconomics for Food and Agribusiness

AGEC 20400 Introduction to Resource Economics and Environmental Policy

AGEC 21700 Economics

ECON 21000 Principles of Economics

ECON 25100 Microeconomics

ECON 25200 Macroeconomics

⁴Written or Oral Communication Selective (3 credits)

AGR 20100 Communication Across Culture
ASL 10000-59900

COM 20000-59900
ENGL 20000-59900

YDAE 44000 Methods of Teaching Agriculture Education

⁵University Core Science, Technology & Society Selective (3 credits)

See approved Humanities list at: <http://www.purdue.edu/provost/initiatives/curriculum/course.html>

⁶Focus Selective (18 credits)

ABE 32500 Soil and Water Resource Engineering
AGEC 25000 Economic Geography of World Food and Resources
AGEC 34000 Economics of World Development
AGEC 41000 Agricultural Policy
AGRY 10500 Crop Production
AGRY 12000 Water and Food Security
AGRY 25500 Soil Science
AGRY 28500 World Crop Adaptation and Distribution
AGRY 29000 Introduction to Environmental Science
AGRY 33500 Weather and Climate
AGRY 34900 Soil Ecology
AGRY 35000 Global Awareness
AGRY 38500 Environmental Soil Chemistry
AGRY 45000 Soil Conservation and Water Management
AGRY 48000 Plant Genetics
AGRY 51100 Population Genetics
AGRY 52000 Principles and Methods of Plant Breeding
AGRY 52500 Crop Physiology and Ecology
AGRY 53000 Advanced Plant Genetics
AGRY 53600 Environmental Biophysics
AGRY 54400 Environmental Organic Chemistry
AGRY 54500 Remote Sensing of Land Resources
AGRY 57200 Molecular Cytogenetics
AGRY 58000 Soil Microbiology
AGRY 58200 Environmental Fate of Pesticides
AGRY 58500 Soils and Land Use
ASM 33600 Environmental Systems Management
BCHM 22100 Analytical Biochemistry
BCHM 56100 General Biochemistry I
BCHM 56200 General Biochemistry II
BIOL 12100 Biology I: Diversity, Ecology, and Behavior
BIOL 24100 Biology IV: Genetics and Molecular Biology
BIOL 41500 Introduction to Molecular Biology
BIOL 41600 Viruses and Viral Diseases
BIOL 43800 General Microbiology
BIOL 48100 Eukaryotic Biology
BIOL 51700 Molecular Biology: Proteins
BIOL 51900 Molecular Biology: Nucleic Acids

BIOL 58000 Evolution
BIOL 59500 Cell Biology of Plants
BTNY 20100 Plants and Civilization
BTNY 20400 Crop and Weed Identification
BTNY 30100 Introductory Plant Pathology
BTNY 30400 Introductory Weed Science
BTNY 35000 Biotechnology in Agriculture
BTNY 39000 Selected Topics in Plant Science
BTNY 42000 Plant Cellular and Developmental Biology
BTNY 44300 Arthropods and Diseases of Turfgrass
BTNY 44600 Integrated Plant Health Management for Ornamental Plants
BTNY 50400 Advanced Weed Science
BTNY 50500 Advanced Biology of Weeds
BTNY 52500 Intermediate Plant Pathology
BTNY 53500 Plant Disease Management
BTNY 55000 Biology of Fungi
BTNY 55200 Molecular Approaches to Plant Pathology
BTNY 55300 Plant Growth and Development
EAPS 10000 Planet Earth
EAPS 11100 Physical Geology
EAPS 11300 Environmental Geology
EAPS 42000 Global Change Modeling
ENGL 23400 Ecological Literature
ENTM 20600 General Entomology
ENTM 20700 General Entomology Laboratory
ENTM 31100 Insect Ecology
ENTM 46000 Aquatic Entomology
ENTM 51000 Insect Pest Management
ENTM 54200 Insect Ecology
FNR 10300 Introduction to Environmental Conservation
FNR 20100 Marine Biology
FNR 21000 Natural Resource Information Management
FNR 22500 Dendrology
FNR 23000 The World's Forests and Society
FNR 30500 Conservation Genetics
FNR 33100 Forest Ecosystems
FNR 33300 Fire Effects in Forest Environments
FNR 34100 Wildlife Habitat Management

FNR 35300 Natural Resources Assessment
FNR 35700 Fundamental Remote Sensing
FNR 36500 Natural Resources Issues, Policy, and Administration
FNR 40600 Natural Resources and Environmental Economics
FNR 43400 Tree Physiology
FNR 43500 Physiological Ecology of Woody Plants
FNR 48800 Global Environmental Issues
FNR 50100 Limnology
FNR 50200 Watershed Hydrology, Ecology, and Management
FNR 50500 Molecular Ecology and Evolution
FNR 54000 Wetlands Ecology
FNR 54200 Ecology and Management of Declining, Rare, and Endangered Species
FNR 55800 Digital Remote Sensing and GIS
HORT 20100 Plant Propagation
HORT 40300 Tropical Horticulture
HORT 59000 Special Studies in Horticulture
HORT 51500 Plant Cell, Tissue, and Organ Culture
HORT 55100 Biophysical Plant Physiology
NRES 25500 Soil Science
NRES 28000 Hazardous Waste Handling
NRES 29000 Introduction to Environmental Science
POL 30000 Introduction to Political Analysis
POL 32300 Comparative Environmental Policy
POL 32700 Global Green Politics
POL 42300 International Environmental Policy
POL 52300 Environmental Politics and Public Policy
SOC 55300 Environmental Sociology
SFS 30100 Agroecology
STAT 50300 Statistical Methods of Biology
STAT 51100 Statistical Methods

