Purdue Plant Science Major Directed Selective and Additional Science Selective Courses

Plant Biology

BTNY 350 Biotechnology in Agriculture

BTNY 551 Plant Response to the Environment

BTNY 552 Molecular Approaches in Plant Biology

BTNY 553 Plant Growth and Development

BTNY 562 Plant Hormone Biology

BTNY 590 Cell Biology of Plants

BTNY 590 Plant Developmental Genetics

BIOL 241 Biology IV: Genetics and Molecular Biology

BIOL 415 Introduction to Molecular Biology

BIOL 420 Eukaryotic Cell Biology

Plant Pathology

BTNY 301 Introductory Plant Pathology

BTNY 525 Intermediate Plant Pathology

BTNY 535 Plant Disease Epidemiology

BTNY 552 Molecular Approaches to Plant Pathology

BTNY 558 Pathogens of Plants

BTNY 613 Advanced Plant Pathology

BIOL 221 Introduction to Microbiology

BIOL 550 Eukaryotic Molecular Biology

Weed Science

BTNY 304 Introductory Weed Science

BTNY 504 Advanced Weed Science

BTNY 505 Advanced Biology of Weeds

Plant Physiology

BTNY 551 Plant Response to the Environment

FNR 434 Tree Physiology

AGRY 525 Crop Physiology and Ecology

AGRY 518 Plant Physiology and Biotechnology

Research Techniques

Genetics

AGRY 480 Plant Genetics

AGRY 520 Principles & Methods of Plant

Breeding

AGRY 530 Advanced Plant Genetics

BIOL 481 Eukaryotic Genetics

FNR 305 Conservation Genetics

Statistics

BIOL 582 Ecological Statistics

FNR 598 Methods in Statistical Ecology

STAT 511 Statistical Methods

Bioinformatics

FNR 210 Natural Resource Information
Management

Entomology

ENTM 206 General Entomology

ENTM 207 General Entomology Laboratory

ENTM 311 Insect Ecology

ENTM 410 Applied Insect Biology

ENTM 510 Insect Pest Management

Ecology & Evolution

BIOL 580 Evolution

BIOL 582 Ecological Statistics

ENTM 311 Insect Ecology

FNR 331 Forest Ecosystems

SFS 301 Agroecology

Microbiology

BTNY 550 Biology of Fungi

AGRY 580 Soil Microbiology

BIOL 221 Introduction to Microbiology

BIOL 416 Viruses and Viral Diseases

BIOL 438 General Microbiology

Crop Production/World Crops

BTNY 285 Plants and Civilization

BTNY 350 Biotechnology in Agriculture

AGRY 285 World Crop Adaptation and

Distribution

AGEC 250 Economic Geography of World Food

and Resources

AGEC 340 Economics of World Development

AGEC 410 Agricultural Policy

HORT 201 Plant Propagation

HORT 319 Controlled Environment Production

of Horticultural Crops

Climate and Soil Science

AGRY 255 (or NRES 255) Soil Science

AGRY 270 Forest Soils

AGRY 335 Weather and Climate

AGRY 349 Soil Ecology

AGRY 385 Environmental Soil Chemistry

AGRY 450 Soil Conservation and Water

Management

AGRY 536 Environmental Biophysics

AGRY 544 Environmental Organic Chemistry

AGRY 580 Soil Microbiology

ASM 236 Environmental Systems Management

Engineering/Phenotyping

ABE 325 Soil and Water Resource Engineering

AGRY 545 Remote Sensing of Land Resources

FNR 357 Fundamental Remote Sensing

FNR 558 Digital Remote Sensing and GIS

Forestry

FNR 210 Natural Resource Information

Management

FNR 225 Dendrology

FNR 305 Conservation Genetics

FNR 331 Forest Ecosystems

FNR 338 Introduction to Silviculture

FNR 439 Silviculture

Skills courses

BTNY 660 Scientific Writing

AGRY 518 Plant Physiology and Biotechnology

Research Techniques

BTNY 552 Molecular Approaches to Plant

Pathology