

**DEPARTMENTAL APPROVED COURSE LIST THAT MAY BE USED TO FULFILL SUPPORTING COURSES UNDER  
PROFESSIONAL AGRICULTURE**

Highlighting indicates course offered via World Campus (may not be offered every semester).

**Note to Associate Degree students:** Courses with asterik (\*)also fulfill major requirements in the Bachelor of Science degree program and Turfgrass Management Certificates.

AG 100 Job Placement Skills and Strategies (1)  
AG 150S Be a Master Student (2)  
AG 160 (GS) Introduction to Issues and Ethics in Agriculture (3)  
AGECO 121 Plant Stress: It's Not Easy Being Green (3)  
AGECO 122/METEO 122 Atmospheric Environment: Growing in the Wind (3)  
AGECO 134N (GN/GS) Sustainable Agricultural Science and Policy (3)  
AGECO 457/ENT 457 Principles of Integrated Pest Management (Prereq) (3)  
AGRO 28 Principles of Crop Management  
AGRO 460 Advances & Applications of Plant Biotechnology (Prereq) (3)  
ANSC 215 (GS) Pets in Society (3)  
ASM 327 Soil & Water Resource Management (3)  
ASTRO 1 (GN) Astronomical Universe (3)  
ASTRO 5 (GN) The Sky and Planets (3)  
ASTRO 6 (GN) Stars, Galaxies, and the Universe (3)  
ASTRO 10 (GN) Elementary Astronomy (2)  
ASTRO 11 (GN) Elementary Astronomy Laboratory (1)  
BIOL 127 (GN) Introduction to Plant Biology (3) (cannot use BIOL 127 as Prof Ag if course is used as a major requirement)  
BIOL 220W (GN) Biology: Populations and Communities (Prereq) (4)  
BIOL 222 Genetics (Prereq) (3)  
BIOL 230W (GN) Biology: Molecules and Cells (Prereq) (4)  
BIOL 240W (GN) Biology: Function and Development of Organisms (Prereq) (4)  
BIOL 407 Plant Developmental Anatomy (Prereq) (3)  
BIOL 414 Taxonomy of Seed Plants (Prereq) (3)  
BIOL 424 Seeds of Change: The Uses of Plants (Prereq) (3)  
BIOL 425/PPATH 425 Biology of Fungi (Prereq) 4  
BIOL 459/HORT 459 Plant Tissue Culture & Biotechnology (Prereq) (3)  
BIOL 441 Plant Physiology (Prereq) (3)  
BIOL 446 Physiological Ecology (Prereq) (3)  
BIOL 463 General Ecology (Prereq) (3)  
BIOL 441 Plant Physiology (Prereq) (3)  
BIOL 448 Ecology of Plant Reproduction (Prereq) (3)  
BISC 2 (GN) Genetics, Ecology, and Evolution (3)  
BISC 3 (GN) Environmental Science (3)  
BMB 201 Elementary Biochemistry (Prereq) (3)  
BMB 202 Elementary Biochemistry Laboratory (Prereq) (1)  
EARTH 10 (GN) Energy and Earth's Climate (1)  
EARTH 100 (GN) Environment Earth (3)  
EARTH 101 (GN/US) Natural Disasters: Hollywood vs. Reality (3)  
EARTH 103N (GN/GS) Earth in the Future: Predicting Climate Change & Its Impacts Over the Next Century (3)  
EARTH 104N (GN/GS) Climate, Energy & Our Future (3)  
EARTH 107N (GS/GN)- Coastal Processes, Hazards and Society(3)  
EARTH 111N (GS/GN) (US) Water: Science & Society (3)  
EGEE 101 (GN) Energy & the Environment (3)  
EGEE 102 (GN) Energy Conservation for Environment Protection (3)

EGEE 110 Safety Science for the Rest of Your Life (3)  
EMSC 101 (US/IL) Resource Wars (3)  
EMSC 150 (IL) Out of the Fiery Furnace (STS 150) (3)  
EMSC 240N (GH/GN) Energy Sustainability in Contemporary Culture  
ENT 202N (GN/GS) The Insect Connection (3)  
ENT 222N (GN/GS) Honey Bees and Humans (3)  
ENT 313 Introduction to Entomology (2)  
ENT 314 Management of Insect Pests of Ornamentals (Prereq) (1)  
ENT 410 Insect Structure & Function (Prereq) (3)  
ENT 432 Insect Biodiversity & Evolution (Prereq) (4)  
FOR 203 Field Dendrology (Prereq) (2)  
FOR 204 Dendrology (Prereq) (2)  
FOR 301/HORT 301 Principles of Arboriculture (3)  
FOR 470 Watershed Management (Prereq) (3)  
FOR 471 Watershed Management Laboratory (Prereq) (1)  
GEOG 1N (GN/GS/IL) Global Parks and Sustainability  
GEOG 3N (GN/BS) Food and the Future Environment (3)  
GEOG 6N (GN/GS) Maps and the Geospatial Revolution (3)  
GEOG 30N (GN/GS/IL/US) Environment and Society in a Changing World (3)  
GEOG 431 Geography of Water Resources (Prereq) (3)\*  
GEOSC 1 Physical Geology (3)  
GEOSC 2 Historical Geology (3)  
GEOSC 10 Geology of the National Parks (3)  
GEOSC 20 Planet Earth (3)  
GEOSC 30 (GN) Volcanoes (3)  
GEOSC 21 Earth & Life: Origin & Evolution (3)  
GEOSC 40 The Sea Around Us (3)  
HORT 101 (GN) Horticultural Science (3) (cannot use HORT 101 as Prof Ag if course is used as a major requirement)  
HORT 131 Herbaceous Perennial and Annual Identification (Prereq) (3)  
HORT 137 Ornamental Plant Materials (Trees) (Prereq) (3)  
HORT 138 Ornamental Plant Materials (Shrubs) (Prereq) (3)  
HORT 150N (GN/GS) Plants in the Human Context (3)  
HORT 169N (GA/GN) Fundamentals of Home Landscaping: An Introduction to Design, Construction and Maintenance (3)  
HORT 201 Applied Arboriculture (2)  
HORT 202 Plant Propagation (3)  
HORT 352 Flower Arranging (2)  
HORT 301 Principles of Arboriculture (Prereq) (3)  
HORT 315 Environmental Effects on Horticultural Crops (Prereq) (3)  
HORT 407 Plant Breeding (3)  
HORT 408 Landscape Plant Establishment & Maintenance (Prereq) (4)  
HORT 445 Plant Ecology (Prereq) (3)  
HORT 451 Hydroponics & Aquaponics (Prereq) (3)  
INTAG 100N (GN/GS/IL) Introduction to International Agriculture (3)  
LARCH 60 (GA/IL/US) History of Landscape Architecture (3)  
LARCH 65(GA/US/IL) Built Environment and Culture (3)  
LNST 100 (US/GH) Introduction to Latino/a Studies (3)  
METEO 3 (GN) Introductory Meteorology (3) (cannot use METEO 3 as Prof Ag if course is used as a major requirement (ie; TURF BS)  
METEO 4 (GN) Weather and Risk (3)  
METEO 5 Severe & Unusual Weather (3) METEO 22 The Oceans (2)  
METEO 101 Understanding Weather Forecasting (3) (cannot use METEO 101 as Prof Ag if course is used as a major requirement (ie; TURF BS)

MICRB 106 Elementary Microbiology (3)  
 MICRB 107 Elementary Microbiology Laboratory (1)  
 PHYS 1 (GN) The Science of Physics (3)  
 PHYS 250L Introductory Physics (Prereq) (4)  
 PLANT 200 Introduction to Agricultural Crop Growth, Form, & Function (Prereq) (3)  
 PLANT 220 Gardening for Fun & Profit (3)  
 PLANT 240 Fundamentals of Cannabis: An Introduction to the Botany, Cultivation, and Harvesting of Hemp (Pre-req) (3)  
 PPEM 120 (GN) The Fungal Jungle: A Mycological Safari From Truffles to Slime Molds (3)  
 PPEM 300 (GN) Horticultural Crop Diseases (3)  
 PPEM 318 Diseases of Forest and Shade Trees (2)  
 PPEM 405 Microbe-Plant Interactions: Plant Diseases & Biological Control (Prereq) (3)  
 PPEM 412 (3) Turfgrass Disease Management (Prereq) (3)\*  
 PPEM 454 Virus Ecology (Prereq) (3)  
 PPEM 456 From the Tame to the Wild: The Environments & Ecologies of Microbes (Prereq) (3)  
 SC 120N (GN/GH/IL/US) Plants, Places and People (3)  
 SOILS 100 Soil Judging (1)  
 SOILS 102 Introductory Soil Science Laboratory (Prereq) (1)  
 SOILS 397A Chemistry in the Environment: Soil, Water, & Air (Prereq) (3)  
 SOILS 401 Soil Composition & Physical Properties (Prereq) (3)  
 SOILS 402 Soil Nutrient Behavior & Management (Prereq) (3)  
 SOILS 403 Soil Morphology Practicum (Prereq) (2)  
 SOILS 404 Urban Soils (Prereq) (3)  
 SOILS 405 Hydropedology (3)  
 SOILS 422 Natural Resources Conservation and Community Sustainability (3)  
 SOILS 412W Soil Ecology (Prereq) (3)  
 SOILS 416 Soil Genesis, Classification & Mapping (Prereq) (4)  
 SOILS 420 Remediation of Contaminated Soils (Prereq) (3)  
 SOILS 450 Environmental Geographic Information Systems (Prereq) (3)  
 SPAN 1 Elementary Spanish I (4)  
 SPAN 2 Elementary Spanish II (Prereq) (4)  
 SPAN 3 Intermediate Spanish (Prereq) (4)  
 SPAN 105 Spanish for Students in the Field of Agricultural Sciences (4)  
 SPAN 106 Spanish for the Agricultural Industries (Prereq) (4)  
 SPAN 131(GH/US/IL) Ibero-American Civilization (3)  
 STAT 100 Statistical Concepts & Reasoning (3)  
 STAT 200 Elementary Statistics (4) (cannot use STAT 200 as Prof Ag if course is used as a major requirement (ie; TURF BS))  
 STAT 240\* Introduction to Biometry (3)  
 STAT 250\* Introduction to Biostatistics (3)  
 TURF 307 Golf Course Irrigation and Drainage (Prereq) (3)\*  
 TURF 425 Turfgrass Cultural Systems (Prereq) (3)\*  
 TURF 434 Turfgrass Edaphology (Prereq) (3)\*  
 TURF 435 Turfgrass Nutrition (Prereq) (3)\*  
 TURF 436W Case Studies in Turfgrass Management (Prereq) (3)\*  
 WFS 209N Wildlife & Fisheries Conservation (Prereq) (3)  
 WFS 300 The Vertebrates (Prereq) (3)  
 WFS 407 Ornithology (Prereq) (3)  
 WFS 408 Mammology (Prereq) (3)  
 WFS 460 Wildlife Behavior (Prereq) (3)

\*Only one course from STAT 240 or 250 may be taken for credit.

\*Only one course from ASTRO 001 and ASTRO 10 may be taken for credit.

\*Courses designated as general education may be applied to either general education *or* professional agriculture credit;

not both.

Updated 1/22/2024