

Approved Animal Sciences Specialty Support Courses

(Some may have pre-reqs)

Accounting

- ACC 201 Financial Accounting I (3)
- ACC 202 Managerial Uses of Accounting Information (3)

Agricultural Biotechnology

- ABT 201 Scientific Method in Biotechnology (1)
- ABT 301 Writing & Presentations in the Life Sciences (2)
- ABT 360 Genetics (3)
- ABT 361 Genetics Lab Online (1)
- ABT 395 Independent Study in Biotechnology (1-4)
- ABT 399 Experimental Learning in Biotechnology (1-6)
- ABT 460 Introduction to Molecular Genetics (3)
- ABT 461 Introduction to Population Genetics (3)
- ABT 495 Experimental Methods in Biotechnology (4)

Agriculture Economics:

- AEC 300 Topics in Ag Econ (1-3)
- AEC 301 Career Readiness for Ag Econ (1)
- AEC 302 Ag Management Principles (4)
- AEC 303 Microeconomic Concepts in Ag Economics (3)
- AEC 304 Macroeconomic Concepts in Ag Economics (3)
- AEC 305 Food & Ag Marketing Principles (3)
- AEC 309 International Ag, World Food Needs & U.S. Trade in Ag Products (3)
- AEC 311 Livestock and Meat Marketing (3)
- AEC 313 Tobacco Marketing (1)
- AEC 314 Grain Marketing (1)
- AEC 316 Cooperative Management & Marketing (1)
- AEC 317 Marketing Horticultural Products (1)
- AEC 320 Ag Product Marketing & Sales (3)
- AEC 321 Ag Future Markets (3)
- AEC 324 Ag Law (3)
- AEC 325 Equine Law (3)
- AEC 340 Human Resource Management in Ag (3)
- AEC 399 Experiential Learning in Ag Econ (1-6)
- AEC 422 Agribusiness Management (3)
- AEC 424 Principles of Environmental Law (3)
- AEC 425 Forest Management (4)
- AEC 441G Ag Financial Management (3)
- AEC 445G Intro to Resource & Environmental Econ (3)
- AEC 471 International Trade (3)
- AEC 473G Economic Development (3)
- AEC 479 Public Economics (3)
- AEC 483 Regional Economics
- AEC 490 Quantitative Methods & Price Analysis (3)
- Any AEC 500 level course

Agricultural Engineering

- AEN 220 Principles of Internal Combustion Engines (3)
- AEN 252 Farm Shop (3)
- AEN 340 Principles of Food Engineering (4)
- AEN 461G Biometeorology (3)
- AEN 462 Residential & Commercial Irrigation Design (3)
- AEN 463G Ag Safety and Health (3)

Arts and Sciences

- A&S 350 Personal Strengths & Career Dev (3)

Biochemistry

- BCH 401G Fundamentals of Biochemistry (3)
- BCH 419G Molecular Basis of Human Disease (3)

Biology

- BIO 208 Principles of Microbiology (3)
- BIO 209 Intro to Microbiology Lab (2)
- BIO 210 Life Processes of Plants (3)
- BIO 300 General Entomology (3)
- BIO 302 Introduction to Neuroscience (3)

- BIO 303 Introduction to Evolution (4)
- BIO 304 Principles of Genetics (4)
- BIO 308 General Microbiology (3)
- BIO 309 Microbiology Lab (2)
- BIO 315 Introduction to Cell Biology (4)
- BIO 325 Ecology (4)
- BIO 340 Comparative Anatomy (5)
- BIO 350 Animal Physiology (4)
- BIO 351 Plant Kingdom (3)
- BIO 361 Ecology of the KY Flora and Vegetation (3)
- BIO 375 Behavioral Ecology & Sociology (3)
- BIO 380 Special Topics in Biology (1-4)
- BIO 410 Lab in Genetics and Cell Biology (3)
- BIO 420G Taxonomy of Vascular Plants (4)
- BIO 425 Biology Seminar (1)
- BIO 430G Plant Physiology (4)
- BIO 447 Animal Senses (3)
- BIO 452G Lab in Ecology (2)
- BIO 461 Introduction to Population Genetics (3)
- BIO 494G Immunobiology (3)
- Any BIO 500 level course

Business & Economics:

- B&E 201 Introduction to Business (3)

Chemistry

- *CHE 230 Organic Chemistry I (3)
- CHE 231 Organic Chemistry Lab I (3)
- CHE 232 Organic Chemistry II (3)
- CHE 233 Organic Chemistry Lab II (1)
- *CHE 236 Survey of Organic Chemistry (3)
- CHE 295 Organic Chemistry Workshop I (1)
- CHE 297 Organic Chemistry Workshop II (1)
- CHE 410G Inorganic Chemistry (2)
- CHE 412G Inorganic Chemistry Lab (2)
- CHE 440G Introduction Physical Chemistry (4)
- CHE 441G Physical Chemistry Lab (2)
- CHE 442 Thermodynamics and Kinetics (3)
- CHE 446G Physical Chemistry for Engineers (3)
- Any CHE 500 level course

* Must take CHE 230 or CHE 236

Communication:

- COM 252 Interpersonal Communication (3)

Community & Leadership Development

- CLD 225 Community & Communication: Exploring Their Intersections (3)
- CLD 230 Intrapersonal Leadership (3)
- CLD 250 Reading Critically & Writing Well: Community Communications and Leadership Development (3)
- CLD 260 Community Portraits (3)
- CLD 300 Foundational Theories in Community and Leadership Development (3)
- CLD 305 Research Methods in Community and Leadership Development (3)
- CLD 325 Writing for Community Media (3)
- CLD 330 Interpersonal Skills for Tomorrow's Leaders (3)
- CLD 340 Community Interaction (3)
- CLD 360 Environmental Sociology (3)
- CLD 370 Learning in Society (3)
- CLD 375 Contemporary Adult Learning (3)
- CLD 380 Globalization: A Cross-Cultural Perspective (3)
- CLD 400 Ag Communications Campaigns (3)
- CLD 401 Principles of Cooperative Extension (3)
- CLD 420 Sociology of Communities (3)

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- CLD 430 Leading in Communities: Vision, Action and Change (3)
- CLD 440 Community Processes and Communication (3)
- CLD 460 Community Development and Change (3)
- CLD 465 Topics in Community Communication (3)
- CLD 470 Topics in Leadership (3)
- CLD 475 Topics in Non-Formal Education (3)
- CLD 495 Topical Seminar in Community Communications and Leadership Development (1-3)
- Any CLD 500 level course

Economics

- ECO 201 Principles of Economics I (3)
- ECO 202 Principles of Economics II (3)

Entomology

- ENT 300 General Entomology (3)
- ENT 310 Insect Pests of Field Crops (3)
- ENT 320 Horticultural Entomology (3)
- ENT 340 Livestock Entomology (2)
- ENT 360 Genetics (3)
- ENT 365 Independent Work (1-3)
- ENT 399 Field Based/Community Based Education (1-6)
- ENT 402 Forest Entomology (3)
- ENT 460 Introduction to Molecular Genetics (3)
- ENT 461 Introduction to Population Genetics (3)
- ENT 530 Integrated Pest Management (3)
- ENT 550 Spider Ecology and Behavior (3)
- ENT 561 Insects Affecting Human & Animal Health (3)
- ENT 563 Parasitology (4)
- ENT 564 Insect Taxonomy (4)
- ENT 568 Insect Behavior (3)
- ENT 574 Advanced Applied Entomology (4)

Equine Science & Management

- EQM 300 Topics in Equine Science and Management (1-3) **Wildcat Wranglers Does NOT Count**
- EQM 351 Equine Health and Diseases (3)

Finance

- FIN 250 Personal Investing & Financial Planning (3)

Food Science

- FSC 304 Animal Derived Food (5)
- FSC 306 Introduction to Food Processing (4)
- FSC 395 Special Problems in Food Science (1-4)
- FSC 399 Experiential Learning in Food Science (1-6)
- FSC 430 Sensory Evaluation of Foods (3)
- FSC 434G Food Chemistry (4)
- FSC 530 Food Microbiology (5)
- FSC 535 Food Analysis (4)
- FSC 536 Advanced Food Technology (4)
- FSC 538 Fermentation and Thermal Processing (4)
- FSC 540 Food Sanitation (3)

Forestry

- FOR 200 Basics of Geospatial Technology (2)
- FOR 205 Forest and Wildland Soils and Landscapes (4)
- FOR 219 Dendrology (4)
- FOR 221 Winter Dendrology (1)
- FOR 230 Conservation Biology (3)
- FOR 240 Forestry & Natural Resources Ethics (2)
- FOR 250 Statistics and Measurements I (3)
- FOR 260 Forest Products and Wood Science (4)
- FOR 280 Forest Policy (2)
- FOR 310 Introduction to Forest Health & Protection (3)
- FOR 320 Forest Valuation and Economics (3)
- FOR 325 Economic Botany: Plants & Human Affairs (3)
- FOR 330 GIS and Spatial Analysis (3)

- FOR 340 Forest Ecology (4)
- FOR 350 Silviculture (4)
- FOR 355 Forest Fire Control and Use (1)
- FOR 356 Landscape Assessment (5)
- FOR 357 Inventory and Measurements II (2)
- FOR 358 Silvicultural Practices (3)
- FOR 359 Forest Operations and Utilization (3)
- FOR 359 Wildlife Biology and Management (4)
- FOR 375 Taxonomy of Forest Vegetation (1)
- FOR 376 Silvicultural Practices (2)
- FOR 377 Forest Surveying (1)
- FOR 378 Forest Mensuration (2)
- FOR 379 Harvest and Utilization of Wood (2)
- FOR 400 Human Dimensions of Forestry & Natural Resources (3)
- FOR 402 Forest Entomology (3)
- FOR 425 Forest Management (4)
- FOR 460 Forest Hydrology & Watershed Management (4)
- FOR 461 Introduction to Population Genetics (3)
- FOR 470 Interdependent Natural Resource Issues (3)
- FOR 480 Integrated Forest Resource Management (5)
- FOR 510 Herpetology (4)
- FOR 520 Mammals of the Eastern United States (4)
- FOR 530 Freshwater Ecology (30)
- FOR 550 U.S. Biodiversity Hotspots (3)
- FOR 564 Forest Soils (3)
- FOR 570 Landscape Ecology for Natural Resources (3)

General Agriculture

- GEN 300 Special Course (1-3) **Peer Instruction, CAFÉ Ambassador, Ag LLP Peer Mentor Does NOT Count**
- GEN 305 Government in Agriculture (3)

Management

- MGT 301 Introduction to Managing Organizations

Marketing

- MKT 300 Marketing Management

National Resources & Environmental Science

- NRE 201 Natural Resources & Environmental Sci (3)
- NRE 320 Natural Resource & Environmental Analysis (3)
- NRE 355 Introductory Geospatial Applications for Land Analysis (3)
- NRE 381 Natural Resource and Environmental Policy Analysis (3)
- NRE 390 Special Topics in NRES (1-4)
- NRE 420G Taxonomy of Vascular Plants (4)
- NRE 450G Biogeochemistry (3)
- NRE 455G Wetland Delineation (3)
- NRE 456G Constructed Wetlands (3)
- NRE 470G Soil Nutrient Management (3)
- NRE 471 Senior Problem in Natural Resources & Environmental Science (3)
- NRE 477G Land Treatment of Waste (3)

Plant & Soil Sciences

- PLS 203 Home Horticulture (3)
- PLS 210 The Life Processes of Plants (3)
- PLS 220 Introduction to Plant Identification (3)
- PLS 240 Introduction to Floral Design (3) **Can fulfill both UK Core and Specialty Support**
- PLS 320 Woody Horticultural Plants (4)
- PLS 330 Herbaceous Horticultural Plants I (2)
- PLS 332 Herbaceous Horticultural Plants II (2)
- PLS 335 Distillation, Wine and Brewing Science (3)

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- PLS 337 Introduction to Enology: Wine Production (3)
- PLS 340 Floral Design for Life Events (3)
- PLS 352 Nursery Production (3)
- PLS 366 Fundamental of Soil Science (4)
- PLS 386 Plant Production Systems (4)
- PLS 389 Wine Appreciation (3)
- PLS 390 Agroecology (3)
- PLS 396 Soil Judging (1-2)
- PLS 404 Integrated Weed Management (4)
- PLS 406 Advanced Soil Judging (1)
- PLS 408 Tobacco (3)
- PLS 440 Plant Propagation (3)
- PLS 450G Biogeochemistry (3)
- PLS 451 Landscape Management and Arboriculture (3)
- PLS 455G Wetland Delineation (3)
- PLS 456G Constructed Wetlands (3)
- PLS 465 Greenhouse & Controlled Environments (3)
- PLS 468G Soil Use and Management (3)
- PLS 470G Soil Nutrient Management (3)
- PLS 477G Land Treatment of Waste (3)
- PLS 490 Topics in Plant and Soil Science (3)
- Any 500 level PLS course
- STA 293 Probability (1)
- STA 294 Sampling and Inference (1)
- STA 295 The Art & Practice of Probability (3)
- STA 320 Introductory Probability (3)
- STA 321 Basic Statistical Theory I (3)
- STA 322 Statistical Methods in Nonparametric Inference & Survey Sampling (4)
- STA 335 Data Analysis for Physicists (1)
- STA 381 Engineering Statistics – A Conceptual Approach (3)
- STA 417G Principles of Operations Research II (3)
- STA 422G Basic Statistical Theory II (4)
- Any 500 level STA course

Veterinary Science

- VS 307 Genetics of Horses (3)
- VS 500 Advanced Equine Reproduction (3)
- VS 575 Literature in Veterinary Parasitology (1)

Physics

- PHY 211 General Physics I (5)
- PHY 213 General Physics II (5)
- PHY 228 Optics, Relativity and Thermal Physics (3)
- PHY 231 General University Physics (4)
- PHY 232 General University Physics (4)
- PHY 241 General University Physics Lab (1)
- PHY 242 General University Physics Lab (1)
- PHY 306 Theoretical Methods of Physics (3)
- PHY 335 Data Analysis for Physicists (1)
- PHY 361 Principles of Modern Physics (3)
- PHY 402G Electronic Instrumentation & Measurements (3)
- PHY 404G Mechanics (3)
- PHY 416G Electricity & Magnetism (3)
- PHY 417G Electricity & Magnetism (3)
- PHY 422 Computational Physics Lab (3)
- PHY 435 Intermediate Physics Lab (3)
- PHY 472G Interaction of Radiation with Matter (3)
- PHY 477 Physics and Astronomy Seminar (1)
- Any PHY 500 level course

Sustainable Agriculture

- SAG 210 Intro to Sustainable Agriculture (3)
- SAG 310 Cultural Perspectives on Sustainability (3)
- SAG 386 Plant Production Systems (4)
- SAG 390 Agroecology (3)
- SAG 490 Integration of Sustainable Ag Principles (3)

Statistics

- STA 210 Making Sense of Uncertainty: An Intro to Statistical Reasoning (3) **Can fulfill both UK Core and Specialty Support**
- STA 281 Probability & Statistics Using Interactive Computer Techniques (3)
- STA 292 Descriptive Statistics (1)
- STA 293 Probability (1)
- STA 294 Sampling and Inference (1)
- STA 295 The Art & Practice of Probability (3)
- STA 296 Statistical Methods and Motivations (3) **Can fulfill both UK Core and Specialty Support**
- STA 292 Descriptive Statistics (1)