

Specialty Support Business Electives

Accounting

- ACC 200 Introduction to Accounting for Decision Makers (3)
- ACC 201 Financial Accounting (3)
- ACC 221 Accounting Fundamentals (3)

Economics

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

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 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 312 Equine Markets (3)
- AEC 314 Grain Marketing (3)
- 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 326 Principles of Environmental Law (3)
- AEC 340 Human Resource Management in Ag (3)
- AEC 351 Intro to Analysis with Business Software (1)
- AEC 361 International Agribusiness & Food Systems (3)
- AEC 422 Agribusiness Management (3)
- AEC 425 Timber Management (4)
- AEC 431 Strategy and Contracts (3)
- 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 (3)
- AEC 490 Quantitative Methods & Price Analysis (3)
- Any AEC 500 level course

Business & Economics:

- B&E 201 Introduction to Business (3)

Family Financial Counseling

- FFC 251 Personal and Family Finance (3)
- FFC 350 Consumer Economics and Issues (3)
- FFC 351 Advanced Personal and Family Finance I (3)
- FFC 352 Advanced Personal and Family Finance II (3)
- FFC 360 Introduction to Family Intervention (3)
- FFC 402 Theories and Application in Consumer Economics (3)
- FFC 403 Family Financial Counseling (3)

Finance

- FIN 250 Personal Investing & Financial Planning (3)

Management

- MGT 292 Introduction to Entrepreneurship (3)
- MGT 301 Introduction to Managing Organizations (3)
- MGT 309 Introduction to International Business (3)

- MGT 320 Principles of Human Resource Management (3)
- MGT 340 Ethical and Regulatory Environments of Organizations (3)
- MGT 341 Business Law I (3)
- MGT 380 Network Analysis for Business (3)
- MGT 410 Organizational Behavior (3)
- MGT 450 Negotiations and Conflict Resolution (3)

Marketing

- MKT 300 Marketing Management (3)
- MKT 310 Consumer Behavior (3)
- MKT 320 Retail and Distribution Management (3)
- MKT 351 Corporate Social Responsibility (3)
- MKT 435 International Marketing (3)

Specialty Support Electives

Agricultural Engineering

- AEN 203 Basic Principles of Surveying (3)
- AEN 220 Principles of Internal Combustion Engines (3)
- AEN 252 Fab & Construction for Tech Systems (3)
- AEN 340 Principles of Food Engineering (4)
- AEN 341 Brewing Science and Technology (3)
- AEN 461G Biometeorology (3)

Arts and Sciences

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

Biochemistry

- BCH 401G Fundamentals of Biochemistry (3)
- BCH 411G Human Reproduction, Technology and Society (3)
- BCH 419G Molecular Basis of Human Disease (3)
- BCH 501 General Biochemistry (3)
- BCH 556 Principles of Drug Design (3)

Biology

- BIO 208 Principles of Microbiology (3)
- BIO 209 Intro to Microbiology Lab (2)
- BIO 300 General Entomology (3)
- BIO 302 Introduction to Neuroscience (3)
- BIO 303 Introduction to Evolution (4)
- BIO 304 Principles of Genetics (4)
- BIO 305 Introduction to Neuroscience Techniques (3)
- BIO 308 General Microbiology (3)
- BIO 309 Microbiology Lab (2)
- BIO 310 The Life Processes of Plants (3)
- BIO 315 Introduction to Cell Biology (4)
- BIO 325 Ecology (4)
- BIO 340 Comparative Anatomy (5)
- BIO 350 Animal Physiology (4)
- BIO 351 The History of Plants on Earth (3)
- BIO 355 Biology Study Abroad (3)
- BIO 360 Bacterial Genetics (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 404 Advanced Genetics (3)
- BIO 405 Human Genetics (3)
- BIO 410 Vertebrate Endocrinology (3)
- BIO 418 Ecological Genetics (3)
- BIO 420G Taxonomy of Vascular Plants (4)
- BIO 425 Biology Seminar (1)
- BIO 429 Developmental Biology (3)
- BIO 430G Plant Physiology (4)
- BIO 440 Comparative and Functional Anatomy (4)

Specialty Support Electives for Animal Enterprises and Production Option

- BIO 445 The Biology of Sex (3)
- BIO 447 Animal Senses (3)
- BIO 452G Lab in Ecology (2)
- BIO 461G Introduction to Population Genetics (3)
- BIO 494G Immunobiology (3)
- BIO 495G Bacterial Pathogenesis (3)
- Any BIO 500 level course

Chemistry

- CHE 226 Analytical Chemistry (3)
- 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 250 Forensic Science on Television (3)
- CHE 372 Communication in Chemistry I (1)
- CHE 410G Inorganic Chemistry (2)
- CHE 412G Inorganic Chemistry Lab (2)
- CHE 422 Instrumental Analysis (4)
- Any CHE 500 level course

Communication:

- COM 252 Interpersonal Communication (3)

Community & Leadership Development

- CLD 230 Intrapersonal Leadership (3)
- CLD 260 Community Portraits (3)
- CLD 340 Community Interaction (3)
- CLD 345 Food and Society in Asia (3)
- CLD 360 Environmental Sociology (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)

Entomology

- ENT 209 Bees and People (3)
- ENT 220 Plague, Pests, and Pestilence: History and Global Perspective (3)
- 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 460 Introduction to Molecular Genetics (3)
- ENT 461 Introduction to Population Genetics (3)
- ENT 502 Forest Entomology (3)
- ENT 505 Evolution in Ag, Medicine, & Conservation (3)
- ENT 530 Integrated Pest Management (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 301 Thoroughbred Sales (1)
- EQM 302 Equine Event Planning (1)
- EQM 340 Equine Facility Design and Management (3)
- EQM 351 Equine Health and Diseases (3)
- EQM 370 The Global Sport Horse Industry (3)
- EQM 375 Thoroughbred Investments (3)

Food Science

- FSC 304 Animal Derived Food (5)
- FSC 306 Introduction to Food Processing (4)
- FSC 430 Sensory Evaluation of Foods (3)

- FSC 434G Food Chemistry (4)
- FSC 530 Food Microbiology and Safety (5)
- FSC 535 Food Analysis (4)
- FSC 536 Advanced Food Technology (4)
- FSC 538 Food Fermentation (4)
- FSC 540 Food Sanitation (3)

Forestry

- FOR 200 Basics of Geospatial Technology (3)
- 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 (4)
- FOR 255 Forest Fire (1)
- FOR 260 Forest Products and Wood Science (4)
- FOR 261 Wood Science and Anatomy (2)
- FOR 262 Wood Identification (2)
- FOR 280 Forest Resource Policy and Law (3)
- FOR 285 Communication and Professional Development in Forestry and Natural Resources I (1)
- FOR 310 Introduction to Forest Health & Protection (1)
- 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 356 Forest Soils and Hydrology (1)
- FOR 370 Wildlife Biology and Management (4)
- FOR 435 Conservation Biology (3)
- FOR 461G Introduction to Population Genetics (3)
- FOR 470 Interdependent Natural Resource Issues (3)
- FOR 502 Forest Entomology (3)
- FOR 510 Herpetology (4)
- FOR 520 Mammals of the Eastern United States (4)
- FOR 530 Freshwater Ecology (3)
- FOR 540 Urban Ecology (3)
- FOR 550 U.S. Biodiversity Hotspots (3)

National Resources & Environmental Science

- NRE 320 Natural Resource & Environmental Analysis (3)
- NRE 390 Special Topics in NRES (1-4)
- NRE 420G Taxonomy of Vascular Plants (4)
- NRE 468G Soil Use and Management (3)
- NRE 470G Soil Nutrient Management (3)

Plant & Soil Sciences

- PLS 210 The Life Processes of Plants (3)
- PLS 220 Introduction to Plant Identification (3)
- PLS 302 Climate Change and Agriculture (3)
- PLS 333 Farm to Fiber: Hemp Prod as a Fiber Crop (1)
- PLS 352 Nursery Production (3)
- PLS 366 Fundamental of Soil Science (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 416G Cover Crops in Agroecosystems (3)
- PLS 468G Soil Use and Management (3)
- PLS 470G Soil Nutrient Management (3)
- PLS 502 Ecology of Economic Plants (3)
- PLS 510 Forage Management and Utilization (3)

Specialty Support Electives for Animal Enterprises and Production Option

- PLS 512 Grains and Oilseeds Production (3)
- PLS 514 Grass Taxonomy and ID (3)
- PLS 515 Turf Management (3)
- PLS 531 Field Schools in Crop Pest Management (2)
- PLS 533 Hemp Production Systems (3)
- PLS 534 Hemp for Medical Applications (1)
- PLS 560 Ecotoxicology (4)
- PLS 566 Soil Microbiology (3)
- PLS 573 Soil Morphology and Classification (3)

Physics

- PHY 211 General Physics (5)
- PHY 213 General Physics (5)
- 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)

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 416G Cover Crops in Agroecosystems (3)
- SAG 490 Integration of Sustainable Ag Principles (3)

Statistics

- STA 210 Making Sense of Uncertainty: An Intro to Statistical Reasoning (3)
- STA 296 Statistical Methods and Motivations (3)
- STA 469 Applied Statistical Methods (3)
- STA 570 Basic Statistical Analysis (3)
- STA 580 Biostatistics I (3)

Veterinary Science

- VS 307 Genetics of Horses (3)
- VS 500 Advanced Equine Reproduction (3)
- VS 507 Advanced Horse Genetics (3)
- VS 575 Current Literature in Veterinary Parasitology (1)