AGSM Technical Electives List

**Agricultural Economics**
AGEC 314 Marketing Agriculture
AGEC 325 Principles of Farm and Ranch Management
AGEC 340 Agribusiness Management
AGEC 344 Food and Agricultural Law
AGEC 350 Environmental and Natural Resource Economics
AGEC 400 Field Studies in Ag Economics
AGEC 401 Global Ag-Industries and Markets: Study Abroad
AGEC 402 Survey of International Ag Economics: Study Abroad
AGEC 413 Agricultural Cooperatives
AGEC 422 Land Economics
AGEC 429 Agricultural Policy
AGEC 452 International Trade and Agriculture
AGEC 453 International Agribusiness Marketing

**Agricultural Leadership and Education**
ALED 340 Professional Leadership Development
*No more than 3 credit hours ALED courses may be used for technical electives*

**Agricultural Systems Management**
AGSM 435 Irrigation Principles and Management
*AGSM 475 Applied Information Technologies for Agricultural Systems
  *cannot count for a Technical Elective and Advanced Computer Elective*

**Animal Science**
ANSC 303 Principles of Animal Nutrition
ANSC 307 Meats
ANSC 317 (2 hr credit) Meat selection, Evaluation, and Grading
ANSC 318 Feeds and Feeding (prerequisite ANSC 303)
ANSC 320 Animal Nutrition and Feeding
ANSC 337 (2 hr credit) Meat Merchandising (prerequisite ANSC 307)
ANSC 402 (2 hr credit) Exploring Animal Industries
ANSC 412 Swine Production and Management (prerequisite ANSC 320 or registration therein)
ANSC 414 Sheep and Goat Production and Mgmt (prerequisite ANSC 303 and 318)
ANSC 437 Marketing and Grading of Livestock and Meats
ANSC 439 (2 hr credit) Feedlot Risk Management
ANSC 447 Advanced Meat Science and Technology (prerequisite ANSC 307, CHEM 222 or inst. approval)
*All 300 and 400-level courses except ANSC 302, 305, 310, 311, 312, 314, 315, 316, 400, 420, 433, and 434

**Bioenvironmental Sciences**
BESC 314 Pathogens, the Environment and Society
BESC 320 Water and the Bioenvironmental Sciences
BESC 402 Microbial Process in Bioremediation (prerequisite 1 semester of organic chemistry)
BESC 403 Sampling and Environmental Monitoring

**Communication**
COMM 315 Interpersonal Communication
COMM 320 Organizational Communication
COMM 330 Technology and Human Communication
COMM 350 Theories of Mediated Communication
COMM 443 Communication and Conflict

**Economics**
ECON 311 Money and Banking
ECON 322 Applied Microeconomic Theory
  *others may be approved on request*
**Engineering Design Graphics**
ENDG 407 Computer Design Graphics
ENDG 408 Computer Graphics

**Entomology**
ENTO 315 Biotechnology and Society
ENTO 322 Insects and Human Society
ENTO 401 Principles of Insect Pest Management
*others may be approved on request*

**Finance**
FINC 409 Survey of Finance Principles

**Food Science and Technology**
FSTC 305 Fundamental Baking *(prerequisite org. chem. or approval of dept. head)*
FSTC 307 Meats
FSTC 311 Principles of Food Processing
FSTC 312 Food Chemistry *(prerequisite org. chem. or approval of dept. head)*
FSTC 326 Food Bacteriology *(prerequisite BIOL 206 or approval of dept. head)*
FSTC 330 Dairy and Food Technology
FSTC 331 Dairy and Food Technology *(prerequisite FSTC 330)*
FSTC 446 Commercial Fruit and Vegetable Processing *(prerequisite FSTC 311)*
FSTC 457 Hazard Analysis and Critical Control Point System *(prerequisite FSTC 326)*

**Ecosystem Science and Management**
ESSM 305 Watershed Analysis and Planning
ESSM 308 Fundamentals of Environmental Decision-Making
ESSM 314 Principles of Rangeland Management Around the World
ESSM 351 Geographic Information Systems for Resource Management
*cannot count for a Technical Elective and Advanced Computer Elective*
ESSM 398 Interpretation of Aerial Photographs *(prerequisite any math & 1 of the following: SCSC 301, BIOL 111, ESSM 101, GEOG 203, GEOL 101, RENR 205, WFSC 101)*
ESSM 405 Forest Resource Assessment and Management
ESSM 444 Remote Sensing of the Environment
ESSM 459 Spatial Databases and Programming

**Geography**
GEOG 330 Resources and the Environment
GEOG 361 Remote Sensing in Geosciences *(prerequisite GEOG 332 or instructor approval)*
GEOG 390 Principles of Geographic Information Systems
*cannot count for a Technical Elective and Advanced Computer Elective*
GEOG 398 Interpretation of Aerial Photographs *(prerequisite any math & 1 of the following: SCSC 301, BIOL 111, ESSM 101, GEOG 203, GEOL 101, RENR 205, WFSC 101)*
GEOG 475 Advanced Topics in GIS *(prerequisite GEOG 390)*

**Geology**
GEOL 320 Geology for Civil Engineers
GEOL 352 GPS in Geosciences
GEOL 410 Hydrogeology
GEOL 420 Environmental Geology *(prerequisites GEOL 101 or GEOG 203)*

**Horticultural Sciences**
HORT 311 Principles of Food Processing
HORT 315 Component Analysis of Horticultural Systems *(prerequisites HORT 201 & 202)*

**Land Development**
LDEV 467 Land Development
Poultry Science
POSC 308 Avian Anatomy and Physiology *(prerequisites BIOL 113,123; POSC 201)*
POSC 326 Commercial Egg Industry
POSC 427 Animal Waste Management

Recreation, Park and Tourism Sciences
RPTS 307 Methods of Environmental Interpretation
RPTS 420 Natural Resource Law
RPTS 460 Development and Management of Protected Areas *(prerequisite RPTS 307)*

Renewable Natural Resources
RENR 375 Conservation of Natural Resources
*RENR 405 GIS for Environmental Problem Solving
  *cannot count for a Technical Elective and Advanced Computer Elective*
RENR 410 Ecosystem Management RENR 420 Natural Resource Law
RENR 460 Development and Management of Protected Areas *(prerequisite RPTS 307)*
RENR 470 Environmental Impact Assessment

Soil and Crop Sciences
SCSC 301 Soil Science
SCSC 308 Forage Crops
SCSC 310 Soil Morphology and Interpretations
SCSC 314 Life and Physical Environment
SCSC 330 Social and Ethical Aspects of International Cropping Systems
SCSC 417 Forage and Grassland for Livestock and the Environment
SCSC 435 Ecology of Agrichemicals in Field Crops and Turf
SCSC 455 Environmental Soil Science
  *others may be approved with SCSC 105 prerequisite*

Urban Planning
PLAN 356 Housing and Community
PLAN 360 Introduction to the Urban Planning Function

Wildlife and Fisheries Sciences
WFSC 423 Aquaculture
WFSC 428 Wetland Ecosystem Management