

<b>AGSM TECHNICAL ELECTIVES LIST</b>	
<b>Course Name</b>	<b>Prerequisites</b>
<u>Agricultural Economics</u>	
AGEC 314 Marketing Agricultural and Food Products	AGEC 105 or 3 hours of economics; and junior or senior classification
AGEC 316 Building Customer Relations in AgriFood Selling	
AGEC 325 Principles of Farm and Ranch Management	AGEC 105 or ECON 202; junior or senior non-agricultural economics, nonagribusiness majors only; and knowledge of Excel.
AGEC 340 Agribusiness Management	AGEC 105 or 3 hours of economics; and junior or senior classification.
AGEC 344 Food and Agricultural Law	Junior or senior classification
AGEC 350 Environmental and Natural Resource Economics	Junior or senior classification
AGEC 401 Global Agri-Industries and Markets: Study Abroad	AGEC 105 or 3 hours of economics; junior or senior classification or approval of department head.
AGEC 402 Survey of International Agricultural Economics: Study Abroad	AGEC 105 or 3 hours of economics; junior or senior classification or approval of department head.
AGEC 408 Economics of Foreign Intervention, Conflict, & Development	
AGEC 413 Agricultural Cooperatives	AGEC 105; AGECE 314; and junior or senior classification.
AGEC 416 Sales Management and Advanced Techniques	
AGEC 422 Land Economics	AGEC 105 or 3 hours economics; and junior or senior classification
AGEC 429 Agricultural Policy	AGEC 105, ECON 202 or ECON 203; ENGL 103 or ENGL 104; and junior or senior classification
AGEC 452 International Trade and Agriculture	AGEC 105 or 3 hours of economics; and junior or senior classification
AGEC 453 International Agribusiness Marketing	AGEC 105 or 3 hours of economics; and junior or senior classification
<u>Agricultural Systems Management</u>	
AGSM 435 Irrigation Principles and Management	AGSM 335, AGSM 301, MATH 141
<u>Animal Science</u>	
ANSC 303/NUTR 303 Principles of Animal Nutrition	ANSC 107 and ANSC 108; CHEM 222 or CHEM 227 or equivalent
ANSC 307/FSTC 307 Meats	ANSC 107 and ANSC 108.
ANSC 317 Meat Selection, Evaluation and Grading	ANSC 107 and ANSC 108
ANSC 318 Feeds and Feeding	ANSC 303/NUTR 303.
ANSC 320 Animal Nutrition and Feeding	Junior or senior classification or approval of instructor; restricted to students in the college of agriculture and life sciences.
ANSC 337 Meat Merchandising	ANSC 307/FSTC 307; junior or senior classification
ANSC 402 Exploring Animal Industries	Junior or senior classification
ANSC 412 Swine Production and Management	Junior or senior classification or approval of instructor
ANSC 414 Sheep and Goat Production and Management	Junior or senior classification or approval of instructor
ANSC 431 Equine Marketing and Development	Junior or senior classification or approval of instructor
ANSC 437 Marketing and Grading of Livestock and Meats	Junior or senior classification.
ANSC 439 Feedlot Risk Management	junior or senior classification or approval of instructor
ANSC 447 Advanced Meat Science and Technology	ANSC 307/FSTC 307; CHEM 222 or approval of instructor; junior or senior classification.
<u>Bioenvironmental Sciences</u>	
BESC 314 Pathogens, the Environment and Society	Junior or senior classification
BESC 320 Water and the Bioenvironmental Sciences	Junior or senior classification.
BESC 402 Microbial Processes in Bioremediation	One semester of organic chemistry
BESC 403 Sampling and Environmental Monitoring	Junior or senior classification or approval of instructor
<u>Communication</u>	
COMM 315 Interpersonal Communication	Junior or senior classification.
COMM 320 Organizational Communication	Junior or senior classification.
COMM 330 Technology and Human Communication	
COMM 335 Intercultural Communication	Junior or senior classification.

COMM 350 Theories of Mediated Communication	Any lower-division communication course, or junior classification, or approval of instructor
COMM 443 Communication and Conflict	Any lower-division communication course, or junior classification, or approval of instructor
<u>Economics</u>	
ECON 311 Money and Banking	ECON 203
ECON 322 Applied Microeconomic Theory	ECON 202. May not be counted toward a major in economics
<u>Engineering Design Graphics</u>	
ENDG 407/MMET 307 Computer Design Graphics	ENDG 105 or ENGR 112 or equivalent
ENDG 408 Computer Graphics	ENDG 105 or ENDG 407 or ENGR 112
<u>Entomology</u>	
ENTO 315 Biotechnology and Society	Junior or senior classification or approval of instructor
ENTO 320 Honey Bee Biology	Junior or senior classification or approval of instructor
ENTO 322 Insects and Human Society	Junior or senior classification
ENTO 401 Principles of Integrated Pest Management	ENTO 201 or ENTO 208
<u>Food Science and Technology</u>	
FSTC 305 Fundamental Baking	CHEM 222 or 227 or approval of department head
FSTC 307/ANSC 307 Meats	ANSC 107 and 108 or approval of department head
FSTC 311/HORT 311 Principles of Food Processing	FSTC 201; junior or senior classification or approval of department head or instructor
FSTC 312/DASC 312 Food Chemistry	FSTC 201; CHEM 227; CHEM 237 or approval of department head or instructor
FSTC 326/DASC 326 Food Bacteriology	BIOL 206 or approval of instructor; junior or senior classification
FSTC 330/DASC 330 Dairy and Food Technology	
FSTC 331/DASC 331 Dairy and Food Technology	FSTC 330/DASC 330 or approval of department head
FSTC 446/HORT 446 Commercial Fruit and Vegetable Processing	FSTC 311/HORT 311
FSTC 457/ANSC 457 Hazard Analysis and Critical Control Point System	FSTC 326/DASC 326 or approval of instructor
<u>Ecosystem Science and Management</u>	
ESSM 305 Watershed Analysis and Planning	Junior or senior classification
ESSM 308 Fundamentals of Environmental Decision-Making	Junior or senior classification or approval of instructor
ESSM 314 Principles of Rangeland Management Around the World	Junior or senior classification or approval of instructor
ESSM 351 Geographic Information Systems for Resource Management	Junior or senior classification or approval of instructor ***cross listed with RENR 405-can only take one or the other
ESSM 398 Interpretation of Aerial Photographs	Junior or senior classification or approval of instructor
ESSM 405 Forest Resource Assessment and Management	Senior classification or approval of instructor
ESSM 444 Remote Sensing of the Environment	Junior or senior classification or approval of instructor
ESSM 459 Programming for Spatial Data Applications	ESSM 351 or equivalent, junior or senior classification or approval of instructor
<u>Geography</u>	
GEOG 330 Resources and the Environment	
GEOG 361 Remote Sensing in Geosciences	Junior or senior classification
GEOG 390 Principles of Geographic Information Systems	Junior or senior classification
GEOG 398 Interpretation of Aerial Photographs	Junior or senior classification or approval of instructor
GEOG 475 Advanced Topics in GIS (Geographic Information Systems)	GEOG 390 or equivalent
<u>Geology</u>	
GEOG 320 Geology for Civil Engineers	Sophomore classification
GEOG 352/GEOG 352 GNSS in the Geosciences	Junior or senior classification; approval of instructor

GEOL 410 Hydrogeology	Junior or senior classification or approval of instructor
GEOL 420 Environmental Geology	GEOL 101 or GEOG 203; junior or senior classification or approval of instructor
<u>Horticultural Sciences</u>	
HORT 311/FSTC 311 Principles of Food Processing	FSTC 201; junior or senior classification or approval of department head or instructor
HORT 315 Issues in Horticulture	HORT 201 and HORT 202
<u>Poultry Science</u>	
POSC 308 Avian Anatomy and Physiology	BIOL 111; POSC 201; junior or senior classification or approval of instructor
POSC 326 Commercial Egg Industry	Junior or senior classification or approval of instructor
POSC 427 Animal Waste Management	Junior or senior classification or approval of instructor
<u>Recreation, Parks, and Tourism Sciences</u>	
RPTS 307 Methods of Environmental Interpretation	
RPTS 460/REN 460 Nature, Values, and Protected Areas	RPTS 307 or RPTS 316; or 9 hours of credit in natural resource courses
<u>Renewable Natural Resources</u>	
REN 375 Conservation of Natural Resources	
REN 405 GIS for Environmental Problem Solving	REN 201 or equivalent or approval of instructor ***cross listed with ESSM 351-can only take one or the other
REN 410 Ecosystem Management	REN 205, senior classification or approval of instructor
REN 460/RPTS 460 Nature, Values, and Protected Areas	RPTS 307 or RPTS 316; or 9 hours of credit in natural resource courses
REN 470 Environmental Impact Assessment	Senior classification or approval of instructor
<u>Soil and Crop Sciences</u>	
SCSC 301 Soil Science	Junior or senior classification, or approval of instructor
SCSC 310 Soil Morphology and Interpretations	SCSC 301 or registration therein
SCSC 330 Social and Ethical Aspects of International Cropping Systems	Junior or senior classification
SCSC 455 Environmental Soil and Water Science	SCSC 301 or approval of instructor
<u>Wildlife and Fisheries Sciences</u>	
WFSC 423 Aquaculture	
WFSC 428 Wetland Ecosystem Management	Junior or senior classification